

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054615 A1

(51) International Patent Classification⁷: E05F 11/38

Bradford, Ontario L3Z 3B4 (CA). CHINGCUANCO, Noel [CA/CA]; 82 Baroness Crescent, North York, Ontario M2J 3K6 (CA).

(21) International Application Number:
PCT/CA2004/002075

(74) Agents: PORAT, Alex et al.; Magna International INC., 337 Magna Drive, Aurora, Ontario L4G 7K1 (CA).

(22) International Filing Date: 3 December 2004 (03.12.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

(26) Publication Language: English

[Continued on next page]

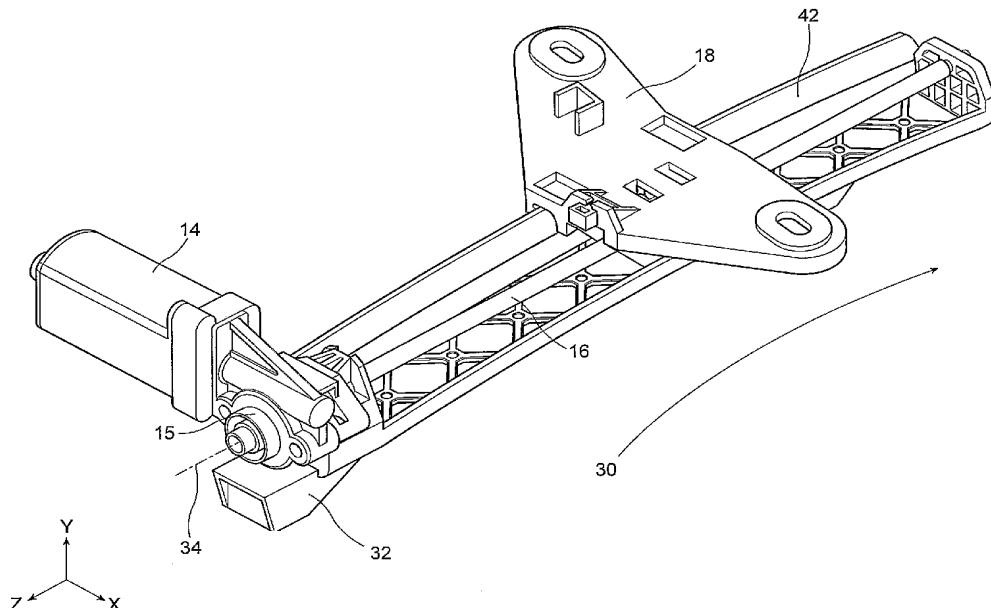
(30) Priority Data:
60/527,312 5 December 2003 (05.12.2003) US

(71) Applicant (for all designated States except US): INTIER AUTOMOTIVE CLOSURES INC. [CA/CA]; 521 Newpark Boulevard, Newmarket, Ontario L3Y 4X7 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SMITH, Peter, J. [GB/CA]; 263 Park Avenue, Newmarket, Ontario L3Y 1V3 (CA). GIDDEN, Dan [CA/CA]; 91 Noble Drive,

(54) Title: VEHICLE WINDOW REGULATOR HAVING A FLOATING WINDOW CARRIER



WO 2005/054615 A1

(57) Abstract: A window regulator including a drive rod having a linear axis; a runner connected to the drive rod for movement therealong; a window carrier pivotally secured to the runner for supporting a window; and a guide engaged by the window carrier having a radius of curvature such that the window carrier moves the window along a path coincident with the radius of curvature as the runner moves linearly along the drive rod.



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*